50	GND
48	GND
41	IOREQ
37	WR
35	RD
33	A 7
31	A 6
29	A 5
27	A 4
25	A 3
23	A 2
21	A 1
19	A Ø
17	D 7
15	D 6
13	D 5
11	D 4
9	D 3
7	D 2
5	D 1
3	D Ø

CN1

DATA BUS

IC10 LS 138

IC9

LS 139

IC6 8255

RHYTHM TRIG.

CHANNEL SELECT

TEMPO CLOCK

RA 1 10K X8

RA 2 100K X7

IC8 8253

IC7 8253 NEC only

TONE GEN

PORT

CV DATA

GATE DATA

TUNE GATE

TONE CLOCK

TONE 1~6

CHANNEL SELECT

CLOCK OUT JACK

CN2

CN1

CN3

BD

SD

HT

LT

CY

OH

CH

MT

RES GND

TEMPO CLOCK

TEMPO CLOCK CN2-2

OUT CLOCK IN

CV OUT CH 1 2 3 4 5 6 7 8

IC2 4051

MIXING CONSOLE

MOD & BUFFER

IC3B

IC1

IC5A

IC5B

IC4

IC3

VR1 4049 only

VR2 6.8K

OFF SET

6.215V

9.697V

POR OUT

POR IN

IC11 TC4584 only

IC15

IC16

IC14

IC13

IC12

NOISE GEN

2Vp-p

PORTA-MENTO

VR10 1MA

TUNE G.
GATE D.
RHYTHM
POR.OUT
TONE.CK
TONE 6
• • • 5
• • • 4
• • • 3
• • • 2
• • • 1
CH D
• • • C
• • • B
• • • A
TEMPO.C
POR. IN

CH C
• • B
• • A
GATE.D
CH D
POR.OUT
POR. IN
TONE.CK
TUNE G.
TEMPO.C
TONE 1
• • • 2
• • • 3
• • • 4
• • • 5
• • • 6
RHYTHM

GATE OUT CH 1 2 3 4 5 6 7 8

MIX

RHYTHM

MELODY

BASS

CHORD

GATE 1~8

ENV

SUSTAIN

VR' 1MA

DECAY

VR2 100KB

VR3 100KB

VR4 100KB

VR11 1MC

TEMPO

IC2 LS 259

TI only

IC4

IC3

VR5 50KA

VR6 50KA

VR7 50KA

VR8 50KA

VR9 10KA

LED 1H

LED 2

FUSE BOARD 052H348

SW1 MARQU ARDT 1801-0102

F1

T1

D1

D2

IC1 7805

IC2 7815

IC3 7915

A-GND D-GND

Volts	100	117	220	240
(1)	WHT	WHT	BLU	BLU
(2)	BLK	BLK	BRN	BRN
GND	—	BRN YEL	RED YEL	BRN YEL
(7)	WHT	WHT	WHT	WHT
(8)	BLU	GRN	BRN	RED
(9)	GRN	BLU	RED	BRN